

Draft Agenda for the 25th meeting of CCQM – 9-12 April 2019

Venue: Pavillon du Mail, BIPM, Sèvres, France.

Day 0: Tuesday 9 April 2019

Poster Session and Reception

17.00-19.30 Poster Session and Reception (32 posters)

Day 1: Wednesday 10 April 2019

CCQM Workshop on Advances in Metrology in Chemistry and Biology

Chair: *Willie E. May*

09.00-09.10 Opening Remarks [*Willie E. May*]

09.10-09.40 The History and achievements of CCQM [*Robert Kaarls*]

09.40-10.00 SI-traceable monoelemental solutions on the highest level of accuracy: from the foundation of CCQM to recent advances [*Anita Röthke, PTB*]

10.20-10.40 Determination of Absolute Isotope Amount Ratios of Lead Using a Primary Method of Full Gravimetric Isotope Mixture Mass Bias Correction Model by MC-ICPMS [*Lu Yang, NRC*]

10.40-11.20 Best Poster Award Presentation and Coffee Break

11.20-11.40 Potential Reference measurement procedures for Ferritin in human samples [*Claudia Swart, PTB*]

11.40-12.00 Novel approaches for absolute determination of protein amount and active concentration by LC-CD and SPR [*Liqing Wu, NIM*]

12.00-12.20 Digital PCR for quantification of ganciclovir resistant human cytomegalovirus [*Mojca Milavec, NIB*]

12.20-12.40 Quantification of genes by sequence-specific counting in capillary flowcytometry [*Inchul Yang, KRISS*]

12.40-14.00 Lunch

14.00-14.20 Proliferative stem cell number per unit area (CCQM-197) [*Nilofar Faruqui, NPL*]

14.20-14.40 Absolute Thickness Measurement of nm Oxide Films by XPS and Length Unit Traceable Method [*Kyung Joong Kim, KRISS*]

14.40-15.00 Measurements of pH in strongly acidic media [*Narine Oganyan, VNIIFTRI*]

15.00-15.20 Recommendation of a consensus value of the ozone absorption cross-section at 253.65 nm based on literature review [*Joseph T. Hodges, NIST*]

15.20-16.00 Coffee Break

- 16.00-16.20 An FTIR method for accurate CO₂ concentration measurements with correction for differences in isotopic composition ($\delta^{13}\text{C}$ and $\delta^{18}\text{O}$) of gases [*Edgar Flores, BIPM*]
- 16.20-16.40 Gas metrology of the carbon isotopologues of carbon dioxide using accurate laser spectroscopy: Towards artifact-free absolute isotope amount ratios with traceability to the new SI [*Adam J. Fleisher, NIST*]
- 16.40-17.00 $\delta^{13}\text{C}$ assigned steroid hormone CRMs for anti-doping analysis [*Mark Lewin, NMIA*]
- 17.00-17.20 Development of nuclear magnetic resonance as a tool of quantitative analysis for organic materials [*Takeshi Saito, NMIJ/AIST*]
- 17.20-17.40 **Closing remarks**

Day 2: Thursday 11 April 2019

CCQM Plenary Session

Chair: Willie E. May and Sang-Ryoul Park

- 09.00-09.30 1. Opening of the meeting, welcome and introductions
 1.1 Announcement of change in CCQM Presidency (W.E. May)
 1.2 Introductory remarks from incoming CCQM President (S-R. Park)
2. Appointment of a Rapporteur
3. Approval of the Agenda
- 09.30-09.50 4. Opening remarks of the CCQM Presidents and actions from the 24th meeting of the CCQM
- 09.50-10.30 5. The Impact of CCQM activities (*H. Semerjian and M. Milton*)

10.30-11.00 Coffee Break

6. Reports from the CCQM Working groups

- 11.00-11.30 6.1 Organic Analysis
- 11.30-12.00 6.2 Inorganic Analysis
- 12.00-12.30 6.3 Gas Analysis
- 12.30-13.00 6.4 Isotope Ratio

13.00-14.00 Lunch

- 14.00-14.30 6.5 Protein Analysis
- 14.30-15.00 6.6 Cell Analysis
- 15.00-15.30 6.7 Nucleic Acid Analysis

15.30-16.00 Coffee Break

- 16.00-16.30 6.8 Surface Analysis
- 16.30-17.00 6.9 Electrochemical Analysis and Classical Methods
- 17.00-17.30 6.10 Key Comparison and CMC Quality
- 17.30-18.00 6.11 ad hoc WG on the mole

18.00-19.00 Reception at BIPM

19.00 Leave for CCQM Dinner

Day 3: Friday 12 April 2019

CCQM Plenary Session

Chair: Willie E. May and Sang-Ryoul Park

09.00-09.30 7. Report from CCQM Task Group on Method-Defined Measurands

09.30-10.00 8. BIPM Programme on Metrology in Chemistry
8.1 Metrology Summer School, Varenna 2019

10.00-10.30 9. Comments on written reports from RMOs

10.30-11.00 Coffee Break

11.00-11.30 Comments on written reports from RMOs (continued)

11.30-11.50 10. Report from the JCTLM

11.50-12.00 11. CC Governance and Operational Issues

11.1 CCQM Member Applications

11.2 Open access CCQM and WG documents

12.00-12.30 12. Update on the BIPM KCDB 2.0

12.30-13.00 13. Comments on written reports from International Organizations in liaison with the CCQM

13.1. International Atomic Energy Agency [IAEA]

13.2. International Federation of Clinical Chemistry and Laboratory Medicine [IFCC] (*with presentation*)

13.3. European Commission Joint Research Centre [JRC]

13.00-14.00 Lunch

14.00-14.30 Comments on written reports from International Organizations in liaison with the CCQM (continued)

13.4. International Union of Pure and Applied Chemistry [IUPAC] (*with presentation*)

13.5. ISO REMCO

13.6. Cooperation on International Traceability in Analytical Chemistry [CITAC]

14.30-15.00 14. Address from newly-appointed CCQM President

14.1 Appointment of CCQM WG Chairs

14.2 Dates for CCQM WG meetings to be held in second half of 2019

14.3 Date for next year's April CCQM meetings

15.00-15.15 15. Closing remarks from outgoing CCQM President

15.15-15.30 16. Closing ceremony

15.30 Close